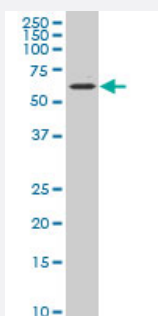


CYP7B1 polyclonal antibody (A01)

Catalog # H00009420-A01

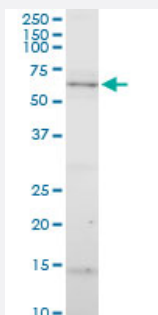
Size 50 uL

Applications



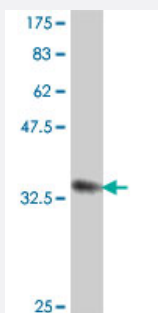
Western Blot (Cell lysate)

CYP7B1 polyclonal antibody (A01), Lot # 060516JCS1 Western Blot analysis of CYP7B1 expression in NIH/3T3 (Cat # L018V1).



Western Blot (Cell lysate)

CYP7B1 polyclonal antibody (A01), Lot # 060516JCS1. Western Blot analysis of CYP7B1 expression in PC-12.



Western Blot detection against Immunogen (35.35 kDa) .

Specification

Product Description

Mouse polyclonal antibody raised against a partial recombinant CYP7B1.

Immunogen

CYP7B1 (NP_004811, 203 a.a. ~ 286 a.a) partial recombinant protein with GST tag.

Sequence	CDNNKFISELRDDFLKFDDKFAYLVSNPIELLGNVKSIREKIICKFSSEKLAKMQGWSEVFQSRQD VLEKYYVHEDLEIGAHH
Host	Mouse
Reactivity	Human, Mouse, Rat
Interspecies Antigen Sequence	Mouse (67); Rat (66)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.35 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

CYP7B1 polyclonal antibody (A01), Lot # 060516JCS1 Western Blot analysis of CYP7B1 expression in NIH/3T3 (Cat # L018V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

CYP7B1 polyclonal antibody (A01), Lot # 060516JCS1. Western Blot analysis of CYP7B1 expression in PC-12.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — CYP7B1

Entrez GeneID	9420
GeneBank Accession#	NM_004820
Protein Accession#	NP_004811
Gene Name	CYP7B1

Gene Alias	CBAS3, CP7B, SPG5A
Gene Description	cytochrome P450, family 7, subfamily B, polypeptide 1
Omim ID	603711
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This endoplasmic reticulum membrane protein catalyzes the first reaction in the cholesterol catabolic pathway of extrahepatic tissues, which converts cholesterol to bile acids. This enzyme likely plays a minor role in total bile acid synthesis, but may also be involved in the development of atherosclerosis, neurosteroid metabolism and sex hormone synthesis. [provided by RefSeq]
Other Designations	cytochrome P450, subfamily VII B (oxysterol 7 alpha-hydroxylase), polypeptide 1 oxysterol 7 alpha-hydroxylase

Publication Reference

- [Increased hydrophilic plasma bile acids are correlated with protection from adiposity in skin-specific stearyl-CoA desaturase-1 deficient mice.](#)

Dumas SN, Ntambi JM.

PLoS One 2018 Jul; 13(7):e0199682.

Application: WB-Ti, Mouse, Mouse liver, Skin

Pathway

- [Primary bile acid biosynthesis](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)

- [Lung Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)